

S † Name Qu ry  
side by side

Hit Set  
Count Nam  
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*

L8 L7 same vaccin\$ 14 L8

L7 (tween) same (stabilizer\$ or stabiliz\$ or degrad\$) 1590 L7

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR*

L6 L5 same vaccin\$ 63 L6

L5 (formalin or formaldehyde or merthiolate or thiomerosal) same (stabilizer\$ or stabiliz\$ or degrad\$) 7671 L5

L4 L3 SAME vaccin\$ 126 L4

L3 L1 same (stabilizing adj agent\$ or stabilizer\$) 1032 L3

L2 L1 same (erysipelothrix or rhusiopathiae) 1 L2

L1 (alum or alumin\$ adj2 hydroxid\$ or aluminum adj2 phosphate\$ or alhydrogel) same (stabili\$ or degrada\$) 3024 L1

END OF SEARCH HISTORY

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
L7 same vaccin\$	14

**Database:**

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L8

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Thursday, August 22, 2002 [Printable Copy](#) [Create Case](#)

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Terms	Documents
alum\$ adj2 phosphate\$ adj4 stabl\$	31

**Database:**

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L5

[Refine Search](#)[Recall Text](#)[Clear](#)

Your wildcard search against 10000 terms has yielded the results below.

The next term would be: ;

ALUM\$(ALUMINUM-SMELTING).P64-P127,P128-P132,P59-P63,P55-P58,P35-P53,P54

***Your result set for the last L# is incomplete.***

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

**Search History**

**DATE:** Thursday, August 22, 2002    [Printable Copy](#)    [Create Case](#)

<u>S t Nam</u>	<u>Query</u>	<u>Hit Count</u>	<u>S t Nam</u>
side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L5</u>	alum\$ adj2 phosphate\$ adj4 stabl\$	31	<u>L5</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L4</u>	L1 same bacteria\$	2	<u>L4</u>
<u>L3</u>	L1 same antigen\$	2	<u>L3</u>
<u>L2</u>	L1 same vaccin\$	1	<u>L2</u>
<u>L1</u>	alum\$ adj3 stabl\$	1806	<u>L1</u>

END OF SEARCH HISTORY

**WEST****End of R sult Set**

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Print

L3: Entry 2 of 2

File: JPAB

May 30, 1986

PUB-NO: JP361112030A

DOCUMENT-IDENTIFIER: JP 61112030 A

TITLE: PREVENTIVE FOR DENTAL CARIES

PUBN-DATE: May 30, 1986

## INVENTOR-INFORMATION:

NAME

COUNTRY

MIYAHARA, TSUNEO

HARADA, YOSHIHIRO

FUTAGAMI, KATSUYUKI

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

LION CORP

APPL-NO: JP59232354

APPL-DATE: November 6, 1984

INT-CL (IPC): A61K 39/40; A61K 7/16

## ABSTRACT:

PURPOSE: A preventive for dental caries having an inhibitory action on formation of bacterial plaque for a long period, obtained by immunizing an animal against the whole mold a mold component of Streptococcus mutans to give an antibody, and blending a preventive for dental caries with it and aluminum hydroxide.

CONSTITUTION: An animal is immunized against the whole mold or a mold component (e.g., cell wall fraction, or fibrous structure fraction) of Streptococcus mutans, preferably a strain or a mutant (e.g., K-Dp strain, or KH2 strain) of human type Streptococcus mutans whose serum type is c, d, e, f, or g type, as an antigen to give an antibody. A preventive for dental caries is blended with the antibody and aluminum hydroxide. The antibody has an inhibitory action on formation of bacterial plaque, preventing effect on dental caries, and addition of aluminum hydroxide keeps stable the antibody in the preventive for dental caries for a long period. An amount of the aluminum hydroxide is 5~70wt% based on the total amounts of the preventive for dental caries.

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L5: Entry 31 of 31

File: DWPI

Sep 7, 1993

DERWENT-ACC-NO: 1993-317356

DERWENT-WEEK: 199340

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TITLE: Antimicrobial aluminium phosphate for resins, fibres etc. - carrying antimicrobial metal (ion) of silver@, copper@, zinc@, tin@, lead@, cobalt@, cadmium@ etc.

## PATENT-ASSIGNEE:

ASSIGNEE

CODE

SANGI KK

SANGN

PRIORITY-DATA: 1992JP-0072975 (February 26, 1992)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05229911 A	September 7, 1993		003	A01N059/06

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP05229911A	February 26, 1992	1992JP-0072975	

INT-CL (IPC): A01N 25/08; A01N 59/06; A01N 59/16; A01N 59/20; A01N 59/22; A01N 59/26

ABSTRACTED-PUB-NO: JP05229911A

## BASIC-ABSTRACT:

Antimicrobial aluminium phosphate carries antimicrobial metal and/or metal ion, partic. at ratios of 0.001-15% of Ag, Cu, Zn, Sn, Pb, As, Co and Cd. Pref. metals and/or metal ions of Ag, Cu, Zn, Sn, Pb, As, Co and Cd are carried on aluminium phosphate at ratios of 0.001-15%.

USE/ADVANTAGE - Insolubilised metal and/or metal ion being carried on aluminium phosphate provides stable high antimicrobial activity to resins, paper, paints, film, filter, fibres and ceramics.

In an example, in 50 ml of distilled water, 0.2 mg of AgNO<sub>3</sub> was dissolved and 10 g of ortho aluminium phosphate was added and mixed. The prod. was collected by filtration and dried to give a powder prepn.

carrying approx. 0.001 wt.% of Ag ion. In a phosphate buffer,  $5.2 \times 10^4$  cells/ml of Escherichia coli was added and 1 wt.% of the prod. was added. No bacteria was found after 24 hrs.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ANTIMICROBIAL ALUMINIUM PHOSPHATE RESIN FIBRE CARRY ANTIMICROBIAL METAL ION SILVER@ COPPER@ ZINC@ TIN@ LEAD@ COBAL@ CADMIUM@

DERWENT-CLASS: A60 D22 E37 F09 G02 L02

CPI-CODES: A08-M02; D09-A01C; E31-K05C; E31-L; E35; F03-C02B; F05-A02B; F05-A06D; G02-A03B; L02-A; L02-J02;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A350 A382 A427 A429 A430 A547 A548 A940 B115 B133

B701 B713 B720 B815 B823 B831 C802 C803 C804 C805

C807 M411 M781 M903 M904 P200 Q130 Q261 Q324 Q332

Q453 R036 R043

Markush Compounds

199340-C6501-U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1760S; 1797S ; 5099U ; 5319U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; P0000 ; S9999 S1285\*R ; S9999 S1070\*R Polymer Index [1.2] 017 ; Q9999 Q7158\*R Q7114 ; ND00 ; B9999 B4513 B4466 Polymer Index [1.3] 017 ; D00 F53 Al 3A ; A999 A044\*R ; A999 A771 ; S9999 S1514 S1456 Polymer Index [1.4] 017 ; D00 D09 Sn 4A Pb Zn 2B Tr Cu 1B Ag As 5A Co 8B Cd ; R05319 D00 D09 Ag ; R05099 D00 D09 Cu 1B Tr ; A999 A044\*R ; A999 A771 ; S9999 S1514 S1456 Polymer Index [1.5] 017 ; D00 Ag 1B Tr N\* 5A O\* 6A ; A999 A044\*R ; A999 A771 ; S9999 S1514 S1456

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0069 0105 0108 0111 0114 0117 0120 0123 0126 0129 0132 0135 0138 0141 0144 0147 0150 0153 0156 0159 0162 0165 0168 0171 0183 0186 0189 0192 0204 0224 0228 2304 2513 2524 2542 2673 2718 2792 3292

Multipunch Codes: 017 03& 06- 07- 08& 08- 09& 09- 10& 10- 15- 17& 17- 18& 18- 19& 19- 20& 20- 228 300 393 435 44& 477 479 481 51& 525 526 656

SECONDARY-ACC-NO: